This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) A system for data transformation, comprising:

one or more read spokes, each read spoke configured to connect to one or more data sources, wherein each data source has one or more data structures referred to collectively as source structures;

one or more modeless write spokes, each modeless write spoke configured to connect to one or more data targets, wherein each data target has one or more data structures referred to collectively as target structures; and

a transformation engine operatively coupled to the one or more read spokes for retrieving data from the one or more data sources, and coupled to the one or more modeless write spokes for storing data in the one or more data targets, comprising:

a data transformation map that comprises one or more mappings relates one or more source structures to one or more target structures; and

an event list, comprising one or more event actions, each with a corresponding triggering event, wherein the transformation engine is configured to:

iterate through the data sources and detect occurrence of triggering events; and

in response to the detection of triggering events, execute the respective one or more event actions from the event action list.

2. (Original) The system of claim 1, wherein the transformation engine further comprises a query language preprocessor operable to review the data transformation map and evaluate embedded expressions in the one or more mappings.

3. (Currently Amended) The system of claim 1, wherein at least one of the event actions, referred to as a transformation event action, comprises:

retrieving at least one source structure from the data source~;~

transforming said at least one source structure, referred to as transformed source data~;~ ~and~

storing said transformed source data in one or more target structures; and

wherein said transformation engine is operable, in response to a transformation event action, to transform data specified by said transformation event action in a manner described in the data transformation map.

4. (Original) The system of claim 1, further comprising a user interface configured to allow a user to define the one or more data sources, and to define data structures in each of the one or more source databases.

5. (Original) The system of claim 1, further comprising a user interface configured to allow a user to define the one or more data targets, and to define data structures in each of the one or more target databases.

6. (Original) The system of claim 1, further comprising a user interface configured to allow a user to define the relationship between one or more data sources and one or more data targets.

7. (Currently Amended) The system of claim 6, ~further comprising~ wherein the user interface ~allowing~ is further configured to allow the user to relate source structures to target data structures.

8. (Currently Amended) The system of claim 7, wherein the user interface is further ~comprises a display~ configured to graphically depict the relation between the source structures and the target structures specified in the transformation map.

9. (Original) The system of claim 6, wherein the user interface is further configured to define the relationship between one or more data sources and one or more data targets as a logical expression.

10. (Original) The system of claim 6, wherein the user interface is further configured to define the relationship between one or more data sources and one or more data targets as a numeric expression.

11. (Currently Amended) The system of claim 1, wherein the transformation engine is_further ~~comprises a display~~ configured to show the contents of the data source and the contents of data structures in the data target on a display of the system.

12. (Currently Amended) The system of claim 1, wherein at least one of the ~~associated~~ triggering events is a generic source event.

13. (Currently Amended) The system of claim 1, wherein at least one of the ~~associated~~ triggering events is a generic target event.

14. (Currently Amended) The system of claim 1, wherein at least one of the ~~associated~~ triggering events is a generic transformation event.

15. (Currently Amended) The system of claim 1, wherein at least one of the ~~associated~~ triggering events is a specific source record event.

16. (Original) The system of claim 1, wherein the transformation engine is further configured to filter the data retrieved from the data source, the data passing the filter referred to as filtered source data, and is further configured to iterate through only the filtered source data.

17. (Currently Amended) The system of claim 16, wherein the transformation engine is further configured to filter the data using predetermined sampling parameters governing a range ~~or sample~~.

18. (Original) The system of claim 16, wherein the transformation engine is further configured to filter the data using a predetermined a logical extraction criteria.

19. (Original) The system of claim 1, wherein the read spokes may connect to the one or more data sources by utilizing a raw sequential mode wherein an intuitive visual parser reconstructs record layouts.

20. (Original) The system of claim 1, wherein the read spokes may connect to the one or more data sources by utilizing a compatible physical file format allowing the transformation engine to physically read from the one or more data sources using the native internal storage format.